

**DECLARATION FOR PATENT APPLICATION**

As a below named inventor, I her by declare that:

My residence, post ffic addr ss and citiz nship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**HIGH-POWER EXTERNAL-CAVITY OPTICALLY-PUMPED SEMICONDUCTOR LASERS**

the specification of which (check one) ☐ is attached hereto or ☒ was filed on March 5, 1999  
as Application No. 09/263,325 and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the applicati n on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed  
Yes No

Number Country Day/Month/Year Filed

Number Country Day/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) below.

Application Number Filing Date

Application Number Filing Date

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose all information which is material to patentability as defined in 37 CFR § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Application Number Filing Date Status: Pat nted, Pending, Abandoned

Application Number Filing Date Status: Patented, Pending, Abandoned

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Andrea Caprara

Inventor's signature Andrea Caprara Date 3/22/99

Residence 775 Menlo Avenue, Apt. 2, Menlo Park, CA 94025

Citizenship Italy

Post Office Address 775 Menlo Avenue, Apt. 2, Menlo Park, CA 94025

Full name of second joint inventor, if any, Juan L. Chilla

Inventor's signature [Signature] Date 4/26/99

Residence 330 North Mathilda Avenue, #801, Sunnyvale, CA 94086

Citizenship Argentina

Post Office Address 330 North Mathilda Avenue, #801, Sunnyvale, CA 94086

Full name of third joint inventor, if any, Luis A. Spinelli

Inventor's signature [Signature] Date 4/26/99

Residence 545 C East McKinley, Sunnyvale, CA 94086

Citizenship Argentina

Post Office Address 545 C East McKinley, Sunnyvale, CA 94086

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE  
APPLICATION FOR UNITED STATES PATENT

In re Patent Application of

Andrea Caprara et al.

Appln. No. 09/263,325

Filed: March 5, 1999

For: HIGH-POWER EXTERNAL-CAVITY  
OPTICALLY-PUMPED SEMICONDUCTOR  
LASERS

Group Art Unit: 2874

**POWER OF ATTORNEY BY ASSIGNEE**

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

COHERENT, INC., assignee of the entire right title and interest in the above-identified application by assignment dated April 26, 1999, which assignment was recorded in the Patent and Trademark Office on May 7, 1999, at Reel 9945, frame 435, hereby appoints the members of the firm of LIMBACH & LIMBACH L.L.P., a firm composed of:

Karl A. Limbach	18,689	Mark A. Dalla Valle	34,147	Kyla L. Harriel	41,816
George C. Limbach	19,305	Charles P. Sammut	28,901	Mayumi Maeda	40,075
John K. Uilkema	20,282	Mark C. Pickering	36,239	Kent J. Tobin	39,496
Neil A. Smith	25,441	Patricia Coleman James	37,155	Michael R. Ward	38,651
Veronica C. Devitt	29,375	Kathleen A. Frost	37,326	Roger S. Sampson	44,314
Ronald L. Yin	27,607	Alan S. Hodes	38,185	Tina Chen	P-44,606
Gerald T. Sekimura	30,103	Alan A. Limbach	39,749	Charles L. Hamilton	42,624
Michael A. Stallman	29,444	Douglas C. Limbach	35,249	Andrew V. Smith	43,132
Philip A. Girard	28,848	Brian J. Keating	39,520	Heath W. Hoglund	41,076
Michael J. Pollock	29,098	Seong-Kun Oh*		William G. Goldman	42,590
Stephen M. Everett	30,050	Cameron A. King	41,897	J. Thomas McCarthy	22,420
Alfred A. Equitz	30,922			Joel G. Ackerman	24,307

\* Recognition under 37 CFR 10.9(b)

as its attorneys with full power of substitution to prosecute this application and to transact all business in the Patent and Trademark Office in connection therewith.

Please direct all correspondence regarding this application to the following:

LIMBACH & LIMBACH L.L.P.  
Attn: Michael A. Stallman  
2001 Ferry Building  
San Francisco, CA 94111

Telephone: (415) 433-4150  
Facsimile: (415) 433-8716

Dated: July 29, 1999

COHERENT, INC.

By: Scott MillerName: Scott H. MillerTitle: Senior Vice President & General Counsel



UNITED STATES DEPARTMENT OF COMMERCE  
Patent and Trademark Office  
ASSISTANT SECRETARY AND COMMISSIONER  
OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

JULY-16, 1999

PTAS

LIMBACH & LIMBACH L.L.P.  
MICHAEL A. STALLMAN  
2001 FERRY BUILDING  
SAN FRANCISCO, CALIFORNIA 94111



\*101038658A\*

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JUL 26 1999

LIMBACH & LIMBACH

UNITED STATES PATENT AND TRADEMARK OFFICE  
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 05/07/1999

REEL/FRAME: 9945/0435  
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:  
CAPRARA, ANDREA

DOC DATE: 04/26/1999

ASSIGNOR:  
CHILLA, JUAN L.

DOC DATE: 04/26/1999

ASSIGNOR:  
SPINELLI, LUIS A.

DOC DATE: 04/26/1999

ASSIGNEE:  
COHERENT, INC.  
5100 PATRICK HENRY DRIVE  
SANTA CLARA, CALIFORNIA 95054

SERIAL NUMBER: 09263325  
PATENT NUMBER:

FILING DATE: 03/05/1999  
ISSUE DATE:

MAURICE CARTER, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS

5.7.99

RECORDATION FC  
PATENT

05-18 999

MENT OF COMMERCE  
Trademark Office



To the Commissioner of Patents and Trademarks. Please record ti

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reof.

1. Name of conveying party(ies):

Andrea Caprara  
Juan L. Chilla  
Luis A. Spinelli

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: 4/26/1999, 4/26/1999 & 4/26/1999

2. Name and address of receiving party(ies):

Name: COHERENT, INC.

Internal Address: 5100 Patrick Henry Drive

Street Address: 5100 Patrick Henry Drive

City, State and Zip: Santa Clara, California 95054

Additional Name(s) & address(es) attached?

☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)  
09/263,325

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Michael A. Stallman

Internal Address: Limbach & Limbach L.L.P.  
Street Address: 2001 Ferry Building  
City, State, ZIP: San Francisco, California 94111  
Telephone: (415) 433-4150  
Facsimile: (415) 433-8716

Attorney Docket No. COHL-3640

05/17/1999 JSHABAZZ 00000170 09263325

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41):.....\$ 40.00

- ☒ Enclosed  
☒ Charge any deficiencies in the enclosed fee to  
Deposit Account No. 12-1420  
☐ Authorized to be charged to deposit account

8. Deposit account number: 12-1420

01 FC:581

40.00 DP

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael A. Stallman, Reg. No. 29,444  
Name of Person Signing

*Michael A. Stallman*  
Signature

5/3/99  
Date

Total number of pages including cover sheet, attachments and document: 3

Do not detach this portion

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Public burden reporting for this sample cover sheet is estimated to average about 30 minutes per document to be recorded, including time for reviewing the document and gathering the data needed, and completing and reviewing the sample cover sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Office of Information Systems, PK2-1000C, Washington, D.C. 20213, and to the Office of Management and Budget, Paperwork Reduction Project, (0651-0011), Washington, D.C. 20503

ASSIGNMENT

WHEREAS, WE, Andrea Caprara, Juan L. Chilla and Luis A. Spinelli, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements as described and set forth in the below-identified application for United States Letters Patent:

Title of Invention: HIGH-POWER EXTERNAL-CAVITY OPTICALLY-PUMPED SEMICONDUCTOR LASERS

Application (Declaration/Oath) Execution Date: 3/22/1999 and 4/26/1999

Filing Date: March 5, 1999 Application No.: 09/263,325

WHEREAS, COHERENT, INC., a corporation of the State of Delaware, 5100 Patrick Henry Drive, Santa Clara, California 95054 hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title and interest in the said invention and application and in any Letters Patent which may be granted on the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have sold, assigned and transferred, and by these presents do sell, assign and transfer unto the said Assignee, and Assignee's successors and assigns, all right, title and interest in and to the said invention, said application for United States Letters Patent, and any Letters Patent which may hereafter be granted on the same in the United States and all countries throughout the world including any divisions, renewals, continuations in whole or in part, substitutions, conversions, reissues, prolongations or extensions thereof, said interest to be held and enjoyed by said Assignee as fully and exclusively as it would have been held and enjoyed by said Assignors had this assignment and transfer not been made, to the full end and term of any such Letters Patent.

Assignors further agree that they will, without charge to said Assignee, but at Assignee's expense, cooperate with Assignee in the prosecution of said application and/or applications, execute, verify, acknowledge and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, and will perform such other acts as Assignee lawfully may request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said Assignee, or Assignee's successors and assigns.

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date: 4/26/99

Andrea Caprara  
Andrea Caprara

State of California  
County of Santa Clara

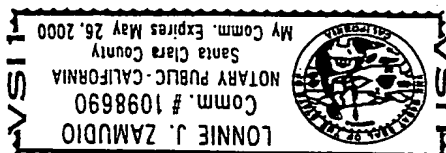
On April 26, 1999 before me, Louise J. Zamudio

personally appeared Andrea Caprara personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Louise J. Zamudio  
Signature of Notary

SEAL



IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date:

4/26/99

Juan L. Chilla

State of

California

County of

Santa Clara

On

April 26, 1999

before me,

Lonnie J. Zamudio

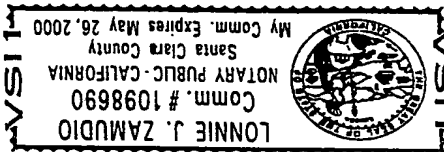
personally appeared

Juan L. Chilla

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SEAL



Signature of Notary

Lonnie J. Zamudio

IN TESTIMONY WHEREOF, Assignor has hereunto signed his/her name to this assignment on the date indicated below.

Date:

4/26/99

Luis A. Spinelli

State of

California

County of

Santa Clara

On

April 26, 1999

before me,

Lonnie J. Zamudio

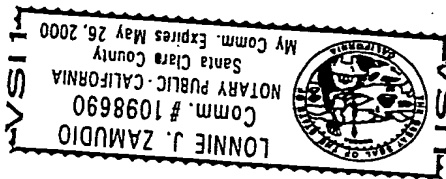
personally appeared

Luis A. Spinelli

personally known to me or proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

SEAL



Signature of Notary

Lonnie J. Zamudio